L Number	Hits	Search Text	DB	Time stamp
2	12933	off-hook or off adj hook	USPAT;	2004/04/19 10:27
			ЕРО; ЛРО	
3	6303	on-hook or on adj hook	USPAT;	2004/04/19 10:27
			ЕРО; ЛРО	
4	423799	oscillat\$4	USPAT;	2004/04/19 10:28
			ЕРО; ЛРО	
5	11377	voltage adj detector	USPAT;	2004/04/19 10:40
			ЕРО; ЈРО	
6	4878	(off-hook or off adj hook) and (on-hook or on adj hook)	USPAT;	2004/04/19 10:28
	_		ЕРО; ЈРО	
1	19	galvanic adj2 isolat\$3 adj2 barrier	USPAT;	2004/04/19 10:32
_			ЕРО; ЛРО	
8	1535	isolat\$3 adj2 barrier	USPAT;	2004/04/19 10:31
_	l		ЕРО; ЛРО	
9	332	379/399.01.ccls.	USPAT;	2004/04/19 10:32
			ЕРО; ЛРО	4004/04/1040
10	43	((off-hook or off adj hook) and (on-hook or on adj hook)) and (isolat\$3	USPAT;	2004/04/19 10:32
1.2	,	adj2 barrier)	ЕРО; ЛРО	2004/04/10 10 22
12	1	(voltage adj detector) and (oscillat\$4 and (((off-hook or off adj hook)	USPAT;	2004/04/19 10:32
11		and (on-hook or on adj hook)) and (isolat\$3 adj2 barrier)))	ЕРО; ЛРО	2004/04/10 10:25
11	22	oscillat\$4 and (((off-hook or off adj hook) and (on-hook or on adj hook))	USPAT;	2004/04/19 10:35
13	1080592	and (isolat\$3 adj2 barrier))	ЕРО; ЛРО	2004/04/19 10:40
13	1080392	voltage	USPAT;	2004/04/19 10:40
14	22	(oscillat\$4 and (((off-hook or off adj hook) and (on-hook or on adj	EPO; JPO USPAT;	2004/04/19 10:40
14	22	hook)) and (isolat\$3 adj2 barrier))) and voltage	ЕРО; ЛРО	2004/04/19 10.40
15	279180	amplitude	USPAT;	2004/04/19 10:40
13	2/5160	ampirtude	EPO; JPO	2004/04/17 10:40
16	17	((oscillat\$4 and (((off-hook or off adj hook) and (on-hook or on adj	USPAT;	2004/04/19 10:41
	''	hook)) and (isolat\$3 adj2 barrier))) and voltage ) and amplitude	EPO; JPO	2007/04/15 10:41
17	983451	ring	USPAT;	2004/04/19 10:41
- '	100.51		ЕРО; ЛРО	
18	15	(((oscillat\$4 and (((off-hook or off adj hook) and (on-hook or on adj	USPAT;	2004/04/19 12:51
		hook)) and (isolat\$3 adj2 barrier))) and voltage) and amplitude) and	ЕРО; ЛРО	
		ring		
23	312799	threshold	USPAT;	2004/04/19 12:55
			ЕРО; ЛРО	
24	6	((((oscillat\$4 and (((off-hook or off adj hook) and (on-hook or on adj	USPAT;	2004/04/19 12:55
		hook)) and (isolat\$3 adj2 barrier))) and voltage ) and amplitude) and	ЕРО; ЛРО	
		ring) and threshold		

L Number	Hits	Search Text	DB	Time stamp
2	12933	off-hook or off adj hook	USPAT;	2004/04/19 10:27
		-	ЕРО, ЈРО	
3	6303	on-hook or on adj hook	USPAT,	2004/04/19 10:27
			ЕРО; ЛРО	
4	423799	oscillat\$4	USPAT;	2004/04/19 10:28
		·	ЕРО; ЛРО	
5	11377	voltage adj detector	USPAT;	2004/04/19 10:40
			ЕРО; ЛРО	
6	4878	(off-hook or off adj hook) and (on-hook or on adj hook)	USPAT;	2004/04/19 10:28
	•		ЕРО; ЈРО	
1	19	galvanic adj2 isolat\$3 adj2 barrier	USPAT;	2004/04/19 14:02
			ЕРО; ЛРО	
8	1535	isolat\$3 adj2 barrier	USPAT;	2004/04/19 15:49
			ЕРО; ЛРО	
9	332	379/399.01.ccls.	USPAT;	2004/04/19 10:32
			ЕРО; ЈРО	
10	43	((off-hook or off adj hook) and (on-hook or on adj hook)) and (isolat\$3	USPAT;	2004/04/19 10:32
	_	adj2 barrier)	ЕРО; ЈРО	
12	1	(voltage adj detector) and (oscillat\$4 and (((off-hook or off adj hook)	USPAT;	2004/04/19 10:32
		and (on-hook or on adj hook)) and (isolat\$3 adj2 barrier)))	ЕРО; ЈРО	
11	22	oscillat\$4 and (((off-hook or off adj hook)) and (on-hook or on adj hook))	USPAT;	2004/04/19 10:35
10	1000500	and (isolat\$3 adj2 barrier))	ЕРО; ЈРО	2004/04/10 10 40
13	1080592	voltage	USPAT;	2004/04/19 10:40
1,4		( '11 404 1777 OCT 1 OCT 11 1	ЕРО; ЈРО	2004/04/10 10 40
14	22	(oscillat\$4 and (((off-hook or off adj hook) and (on-hook or on adj	USPAT;	2004/04/19 10:40
15	279180	hook)) and (isolat\$3 adj2 barrier))) and voltage amplitude	ЕРО; ЛРО	2004/04/19 10:40
13	2/9180	ampricade	USPAT; EPO; JPO	2004/04/19 10:40
16	17	((oscillat\$4 and (((off-hook or off adj hook) and (on-hook or on adj	USPAT;	2004/04/19 10:41
10	''	hook)) and (isolat\$3 adj2 barrier))) and voltage) and amplitude	ЕРО; ЛРО	2004/04/15 10.41
17	983451	ring	USPAT;	2004/04/19 10:41
1 '	705751	l mg	ЕРО; ЛРО	2004/04/15 10.41
18	15	(((oscillat\$4 and (((off-hook or off adj hook) and (on-hook or on adj	USPAT;	2004/04/19 12:51
	'	hook)) and (isolat\$3 adj2 barrier))) and voltage) and amplitude) and	ЕРО; ЛРО	2007/07/17 12.51
		ring	2.0,510	
23	312799	threshold	USPAT;	2004/04/19 12:55
	3.2.77		ЕРО; ЈРО	200 110 117 12.00
24	6	((((oscillat\$4 and (((off-hook or off adj hook) and (on-hook or on adj	USPAT;	2004/04/19 12:55
		hook)) and (isolat\$3 adj2 barrier))) and voltage) and amplitude) and	ЕРО; ЛРО	
		ring) and threshold	-,	

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38 1 "6587560" and voltage near3 detect\$3 USPAT; 2004/04	
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Search History 4/19/04 6:20:06 PM Page 2

	10	(galvanic adj2 isolat\$3 adj2 barrier) and (null ad2 signal)	HCDAT.	2004/04/10 16:22
44	19	(galvanic adj2 isolat53 adj2 barrier) and (null ad2 signal)	USPAT; EPO; JPO	2004/04/19 16:23
4.5	10	( 1 · 1 · 10 i-1.402 110 i · 1.402		2004/04/10 16:41
45	10	(galvanic adj2 isolat\$3 adj2 barrier) and detect\$3	USPAT;	2004/04/19 16:41
		(* 1.400.101.1.)	ЕРО; ЛРО	2004/04/10 17.56
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		on adj hook)	ЕРО; ЈРО	2004/04/10 17 24
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## **Patent Assignment Abstract of Title**

**Total Assignments: 1** 

Issue Dt: Application #: 09843095 Filing Dt: 04/25/2001 Patent #: NONE

Publication #: 20010036263 Pub Dt: 11/01/2001 PCT #: NONE

Inventors: Fabrice Guitton, Andre Bremond

Title: Line take-up detection circuit

Assignment: 1

Recorded: Mailed: Pages:

Reel/Frame: 012204/0347 10/03/2001 10/01/2001 12/04/2001

Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors: GUITTON, FABRICE

Exec Dt: 08/28/2001 BREMOND, ANDRE Exec Dt: 08/21/2001

Assignee: STMICROELECTRONICS S.A.

29, BOULEVARD ROMAIN ROLLAND

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Search Results as of: 4/19/2004 9:53:23 A.M.

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